0280

OIPE

RAW SEQUENCE LISTING DATE: 01/16/2001
PATENT APPLICATION: US/09/750,424 TIME: 11:50:32

Input Set : A:\37021.txt
Output Set: N:\CRF3\01162001\I750424.raw

```
      4 <110> APPLICANT: Auf der Maur, Adrian
      5       Barberis, Alcide
      6       Escher, Dominik
      8 <120> TITLE OF INVENTION: INTRABODIES WITH DEFINED FRAMEWORK THAT IS STABLE
IN A
      9       REDUCING ENVIRONMENT AND APPLICATIONS THEREOF
     11 <130> FILE REFERENCE: 27656/37021
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/750,424
C--> 14 <141> CURRENT FILING DATE: 2000-12-28
     16 <150> PRIOR APPLICATION NUMBER: 09/529,307
     17 <151> PRIOR FILING DATE: 2000-04-11
     19 <150> PRIOR APPLICATION NUMBER: PCT/IB00/00218
     20 <151> PRIOR FILING DATE: 2000-03-01
     22 <150> PRIOR APPLICATION NUMBER: PCT/IB99/02054
     23 <151> PRIOR FILING DATE: 1999-12-28
     25 <160> NUMBER OF SEQ ID NOS: 11
     27 <170> SOFTWARE: PatentIn Ver. 2.1
     29 <210> SEQ ID NO: 1
     30 <211> LENGTH: 252
     31 <212> TYPE: PRT
     32 <213> ORGANISM: Mus musculus
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     35 <221> NAME/KEY: CHAIN
     36 <222> LOCATION: (1)..(114)
     37 <223> OTHER INFORMATION: Variable light chain
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     42 <223> OTHER INFORMATION: Variable heavy chain
     44 <220> FEATURE:
     45 <221> NAME/KEY: REPEAT
     46 <222> LOCATION: (115)..(134)
     47 <223> OTHER INFORMATION: Glycine Serine Linker
     49 <220> FEATURE:
     50 <221> NAME/KEY: PEPTIDE
     51 <222> LOCATION: (248)..(252)
     52 <223> OTHER INFORMATION: His Tag
     54 <220> FEATURE:
     55 <221> NAME/KEY: DOMAIN
     56 <222> LOCATION: (27)..(39)
     57 <223> OTHER INFORMATION: CDR 1 VL
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     62 <223> OTHER INFORMATION: CDR 3 VL
     64 <220> FEATURE:
     65 <221> NAME/KEY: DOMAIN
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69 <220> FEATURE:
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71 <222> LOCATION: (184)..(198)
72 <223> OTHER INFORMATION: CDR 2 H
74 <220> FEATURE:
75 <221> NAME/KEY: DOMAIN
76 <222> LOCATION: (232)..(236)
77 <223> OTHER INFORMATION: CDR 3 VH
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80 Met Gly Pro Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
81  1               5                  10                  15
83 Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ser Ser Thr Gly Ala
84             20                  25                  30
86 Val Thr Thr Ser Asn Tyr Ala Ser Trp Val Gln Lys Lys Pro Gly Lys
87         35                  40                  45
89 Arg Phe Lys Gly Leu Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Val
90     50                  55                  60
92 Pro Ser Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Thr Leu Thr
93 65                  70                  75                  80
95 Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Phe Cys Ala Leu
96                 85                  90                  95
98 Trp Tyr Ser Asn His Trp Val Phe Gly Gln Gly Thr Lys Val Glu Leu
99             100                 105                 110
101 Lys Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
102         115                 120                 125
104 Ser Ser Gly Gly Gly Ser Glu Val Lys Leu Leu Glu Ser Gly Gly Gly
105     130                 135                 140
107 Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Val Ser Gly
108 145                 150                 155                 160
111 Phe Ser Leu Thr Asp Tyr Gly Val Asn Trp Val Arg Gln Ala Pro Gly
112                 165                 170                 175
114 Arg Gly Leu Glu Trp Ile Gly Val Ile Trp Gly Asp Gly Ile Thr Asp
115             180                 185                 190
117 Tyr Asn Ser Ala Leu Lys Asp Arg Phe Ile Ile Ser Lys Asp Asp Cys
118         195                 200                 205
120 Glu Asn Ser Val Tyr Leu Gln Met Ser Lys Val Arg Ser Asp Asp Thr
121     210                 215                 220
123 Ala Leu Tyr Tyr Cys Val Thr Gly Leu Phe Asp Tyr Trp Gly Gln Gly
124 225                 230                 235                 240
126 Thr Leu Val Thr Val Ser Ser His His His His His
127                 245                 250
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131 <211> LENGTH: 5
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
137       peptide
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Gly Leu Phe Asp Tyr
1 5
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<212> TYPE: PRT
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1 5 10 15
Gly Gly Gly Ser
20
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<212> TYPE: DNA
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<223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide linker
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<220> FEATURE:

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211 <400> SEQUENCE: 7
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213 1 5 10
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217 <211> LENGTH: 34
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR upstream
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225 <400> SEQUENCE: 8
226 catgccatgg ttcctcaaca gcagcaaatg caac 34
229 <210> SEQ ID NO: 9
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231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR
236 primer
238 <400> SEQUENCE: 9
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243 <211> LENGTH: 29
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
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256 <211> LENGTH: 37
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
262 oligonucleotide
264 <400> SEQUENCE: 11
265 tcgacgatga gtcataactg gatgagtcat aggcatg 37

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L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date